Louisville and Jefferson County
Metropolitan Sewer District

400 South Sixth Street
Louisville, Kentucky 40202-2397

Mail To: P.O. Box 740011
Louisville, Kentucky 40201

502-540-6000

MSD

October 27, 1992

Mr. Derek Matory
Project Manager
North Superfund Remedial Branch
U.S. Environmental Protection Agency, Region IV
Waste Management Division
345 Courtland Street, N.E.
Atlanta, GA 30365

RE: Report of Field Observation - FY 93, First Quarter (FY93-1Q), Lee's Lane Superfund Site, Jefferson County, Kentucky Administrative Order on Consent, U.S. EPA Docket No. 91-32-C

Dear Mr. Matory:

In accordance with Paragraph 11, of Reporting Requirements, of the subject Consent Order and Attachment I, Operation and Maintenance Plan for Post-removal Site Control at the Lee's Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY93-1Q, for your information and files. Please advise if you have any questions concerning the attached Report of Field Observation for FY93-1Q.

MSD personnel conducted sampling of groundwater from wells on and adjacent to the Lee's Lane Landfill Site on October 19, 1992. The groundwater sampling activities were observed by U.S. EPA's Ms. Patricia C. Freemont, Remedial Project Manager, Kentucky/Tennessee Section, at that time.

MSD will conduct gas well and ambient air sampling starting November 9, 1992, utilizing the services of an independent contract laboratory, Radiam Corporation. We will notify Ms. Freemont if there is any change in the scheduling date for gas and ambient air sampling. The results of gas, ambient air, and groundwater sampling analyses will be forwarded to your attention when received.

Please advise if you have any questions concerning these sampling arrangements.

Very truly yours,

C. A. Neumayer
Director of Operations & Maintenance

CAN/rdh
CAN30.1C

Enclosure

cc: KNREPC, Division of Waste Management
Gordon R. Garner, Executive Director
File WD-2 (Lee's Lane M&M)

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY93-10 Date of Observation: 8/25/92

Time Arrived Onsite: 9:15 a.m. Time Departed Site: 12:15 p.m.

Field Personnel: C. A. Neumayer, Director of Operations

Richard H. Watkins, Administrator, Support Services Section, Maintenance Department

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material			X	A-1
2. Evidence of leachate seepage			X	A-2
3. Distressed Vegetation		X		
4. Pot holes, erosion of access road		X		A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade		X		
2. Structural problem with Putman Ave. barricade		X		
3. Lee's Lane gate unlocked		X		
4. Broken or missing lock		X		

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X			C-1
2. Structural damage to blower house		X		
3. Blower not operating or visible damage		X		C-3
4. Blower house not secure and unclean		X		

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place		X		
6. Alarm and blower controls not functioning		X		
7. Settlement or tilting of well/moisture trap concrete collars	X			C-7
8. Well/moisture trap covers missing or damaged	X			C-8
9. Excessive vegetation covering wells/mositure traps		X		
10. Adjustment valve inaccessible		X		
11. Well/moisture trap caps, plugs, and piping missing or damaged		X		
12. Blower house and well/ moisture trap signs missing or damaged		X		

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked		X		
2. Guard posts and rails missing or damaged	X			D-2
3. Protective casing missing, damaged or rusted		X		
4. Concrete pads damaged or cracked		X		
5. Possible surface water infiltration into wells		X		D-5
6. Excessive vegetation or debris around wells		X		
7. Well cap missing or damaged		X		
8. Tubing, fittings, and valves missing or damaged (gas wells only)			X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving		X		
2. Erosion of rip-rap or underlying material		X		
3. Abnormally damp areas, wet ground vegetation		X		
4. Soft spots in surface			X	
5. Seepage, water flow, piping, or sand boils			X	
6. Undermining of rip-rap		X		
7. Vegetative growth on rip-rap slope	X			E-7
8. Buildup of trash and debris on rip-rap	X			E-8
9. Exposed trash or filter fabric			X	
10. Tilting trees		X		
11. Tension cracks			X	
12. Survey monuments missing or damaged		X		

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep		X		F-1
2. Cracks greater than 1 inch wide and 6 inches deep			X	
3. Areas of erosional damage to grass		X		
4. Inadequate grass cover (area > 36 ft^2		X		
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)		X		
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)		X		

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-1Q Date of Observation: 8/25/92

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:	Comment
A-1	Regrowth of surface vegetation caused by above normal rainfall conditions during the summer has made accurate observation of major settlement or erosion impossible.
A-2	Regrowth of surface vegetation caused by above normal rainfall conditions during the summer has made accurate observation of leachate seepage impossible.
A-4	The access road traversing the central tract of the landfill site was observed to be in drivable condition. However, four (4) roadway depression areas were observed and which should be monitored over the next several quarters of field observation.
C-1	Observed minor damage to the concrete block gas collection system blower house and warning signs caused by small arms fire. Other than the minor damage observed, the general condition of the concrete block building is good.

Comment No.	Corrective Action Performed
A-1	MSD Maintenance Department forces mowed site vegetation to specification height prior to FY 93, Second Quarter, sampling of landfill site gas and water wells.
A-2	No corrective action to be scheduled until contract spraying can be arranged during FY 93, Fourth Quarter.
A-4	Observation of four (4) depression areas along access road will be monitored quarterly.
C-1	No corrective action need be performed at this time.

(CONTINUED ON NEXT PAGE)

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-1Q Date of Observation: 8/25/92

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:	Comment
C-3	Observation of gas collection system blower, motor, other appurtenances, and piping indicate they are in satisfactory condition and are being serviced on a weekly schedule by MSD Urban Area maintenance personnel. A logbook of maintenance activity being conducted by MSD was available inside the blower house.
C-7	During observation of the gas collection wells, it was noted that several concrete well collars had been damaged by site mowing activity.
C-8	During observation of the gas collection wells, it was noted that several well head and valve covers were missing.
D-2	It was observed that nearly all of the gas collection well identification signs were missing or badly damaged. The missing and damaged signs are the result of these signs being used as targest by person(s) firing small arms on the site.

Comment No.	Corrective Action Performed
C-3	No corrective action required.
C-7	Repair of damaged concrete well collars to be scheduled with installation of new gas collection well markers.
C-8	Missing gas collection well and valve covers to be replaced coincident with concrete well collar repair work.
D-2	Planning in progress to install railroad rail markers secured in concrete in order to eliminate damage caused by small arms fire. Railroad rail markers will be painted yellow as a caution signal to independent contractors while mowing on site and identified with the appropriate gas well number.

(CONTINUED ON NEXT PAGE)

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-10 Date of Observation: 8/25/92

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:	Comment
D-5	No evidence of surface water infiltration was noted going into those gas collection wells observed.
D-8	Wells 1 through 4, inclusive, could not be observed because of vegetation regrowth resulting from above normal rainfall conditions during the summer.
E-7	Observed evidence of vegetation growth in the lower section of the riprap protecting the bank portion of the clay cap area located in the central tract of the landfill site.
E-8	Observed evidence of drift debris caused by high Ohio River water levels deposited on the lower portion of the riprapped bank portion of the clay cap.
F-1	Observed the major surface drainage swale crossing the access road and discharging at the top of the riprap section to be in good condition with no erosion evident or water standing.

Comment No.	Corrective Action Performed
D-5	No corrective action required.
D-8	Mowing of vegetation and access to gas wells 1 through 4, inclusive, to be performed prior to FY93, Second Quarter, sampling of gas and water wells.
E-7	Spraying of growth in reprapped section of clay cap area will be scheduled for FY93, Fourth Quarter.
E-8	No corrective action proposed to remove drift from riprapped section of clay cap area because of the lack of access in order to accomplish removal. Drift debris is not causing any problem at this time.
F-1	MSD will continue to monitor major drainage swale at quarterly intervals.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY93-10 Date of Observation 8/25/92

Site Map

Signature of Observer: [signature] Date: Aug. 25, 1992